

AMENDMENTS TO THE CLAIMS

This listing of the claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A management method for a removable device, including a parts cassette or a suction nozzle, that is ~~mounted on or attached to a given~~ attachable to an apparatus and is ~~to be removed~~ removable from the apparatus ~~to undergo maintenance such as keeping, inspection, and repair~~, the management method comprising:

storing maintenance data ~~for every device~~ the removable device in a computer readable medium of a data management unit ~~to be recordable and readable~~, the maintenance ~~date~~ data including location data indicating the location of the removable device in a component-mounting plant;

giving an identification code to ~~each~~ the removable device;

reading an identification code of ~~a~~ the removable device and inputting and outputting the read identification code together with the maintenance data ~~by means of~~ using a mobile terminal; and

sending and receiving the maintenance data between the mobile terminal and the data management unit;

wherein reading of the identification code of the removable device and inputting of the destination location by the mobile terminal occurs every time the location of the removable device changes;

wherein the data management unit stores the received maintenance data including the

location data for each of the identification codes of the removable devices.

2. (Currently Amended) The management method ~~for a device that requires maintenance~~ according to claim 1,

wherein the mobile terminal having a reading function for the identification code is configured to read ~~reads~~ the identification code of the removable device.

3. (Currently Amended) The management method ~~for a device that requires maintenance~~ according to claim 2,

wherein the identification code of ~~the~~ each removable device comprises a barcode, and wherein a barcode reader provided to the mobile terminal reads the barcode.

4. (Currently Amended) The management method ~~for a device that requires maintenance~~ according to claim 1,

wherein the apparatus is a component-mounting machine, and wherein the removable device is a parts feeder for supplying a component or a suction nozzle for holding a component by suction.

5. (Currently Amended) The management method ~~for a device that requires maintenance~~ according to claim 1,

wherein the maintenance data further includes history data including performance of the removable device and history of repair.

6. (Currently Amended) A system for managing a removable device that is ~~mounted on or attached to a given~~ attachable to an apparatus and is ~~to be removed~~ removable from the apparatus ~~to undergo maintenance such as keeping, inspection, and repair,~~ the management system comprising:

a plurality of removable devices each of which has an identification code given thereto for identifying the corresponding removable device, ~~the maintenance data including location data indicating the location of the device;~~

a database for storing maintenance data for each removable device, the maintenance data including location data indicating the location of the removable device;

a data management unit for recording and reading the maintenance data for each removable device into/from the database;

a mobile terminal including a reading device for reading an identification code of a removable device, and ~~having a function of~~ inputting and outputting the read identification code together with the maintenance data; and

a communication device for sending and receiving the maintenance data between the mobile terminal and the data management unit;

wherein reading of the identification code of the removable device and inputting of the destination location by the mobile terminal occurs every time the location of the removable device changes;

wherein the data management unit stores the received maintenance data including the location data for each of the identification codes of the removable devices.

7. (Currently Amended) The system for managing a removable device ~~that requires~~
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~~maintenance~~ according to claim 6,

wherein the mobile terminal ~~is provided with~~ includes a barcode reader as the reading device configured to read ~~of~~ the identification codes ~~code~~.

8. (Currently Amended) The system for managing a removable device ~~that requires~~ ~~maintenance~~ according to claim 6,

wherein the communication device comprises personal handphone system (PHS) radio communication device.

9. (Currently Amended) The management method ~~for a device that requires maintenance~~ according to claim 1,

wherein ~~the location data is inputted via the mobile terminal when the device is attached to the apparatus or the device is removed from the apparatus is stored in the data management unit~~ the location data, which is inputted via the mobile terminal, is stored in the data management unit, when the removable device attached to the apparatus or the removable device is removed from the apparatus.

10. (Currently Amended) The management method ~~for a device that requires maintenance~~ according to claim 1,

wherein the location data of the removable device stored in the data management unit is read by inquiring via the mobile terminal, and the read location data is displayed on a display portion of the mobile terminal.

11. (Currently Amended) The management method ~~for a device that requires~~
~~maintenance~~ according to claim 2,
wherein the apparatus is a component-mounting machine, and
wherein the removable device is a parts feeder for supplying a component or a suction
nozzle for holding a component by suction.

12. (Currently Amended) The management method ~~for a device that requires~~
~~maintenance~~ according to claim 3,
wherein the apparatus is a component-mounting machine, and
wherein the removable device is a parts feeder for supplying a component or a suction
nozzle for holding a component by suction.

13. (Currently Amended) The management method ~~for a device that requires~~
~~maintenance~~ according to claim 2,
wherein the maintenance data further includes history data including performance of the
removable device and history of repair.

14. (Currently Amended) The management method ~~for a device that requires~~
~~maintenance~~ according to claim 3,
wherein the maintenance data further includes history data including performance of the
removable device and history of repair.

15. (Currently Amended) The system for managing a removable device ~~that requires~~
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~~maintenance~~ according to claim 7,

wherein the communication device comprises a personal handphone system (PHS) radio communication device.